

# Anesthesiology

The Journal of  
The American Society of  
Anesthesiologists, Inc.

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VOLUMES 62-71 • 1985-1989

Published by  
J. B. LIPPINCOTT COMPANY  
Philadelphia



ANESTHESIOLOGY (ISSN 0003-3022) is published 13 times a year (monthly except September, in which two issues are published) for the American Society of Anesthesiologists, Inc., by J. B. Lippincott Company, at Downsville Pike, Route 3, Box 20-B, Hagerstown, MD 21740. Business offices are located at East Washington Square, Philadelphia, PA 19105. Printed in the U. S. A. © Copyright 1990 by the American Society of Anesthesiologists, Inc. Second class postage paid at Hagerstown, MD, and at additional mailing offices.

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**Annual subscription rates:** U. S. \$40.00 individual, \$50.00 institution; all other countries except Japan, India, Nepal, Bangladesh, and Sri Lanka, \$85.00 individual, \$100.00 institution. Single copies \$11.00. Rates for air mail delivery available upon request.

If the Society Office or the Publisher receives a request for replacement within 60 days of the mailing in the U. S. or within 90 days in all other countries and the original issue is returned by the postal service as undeliverable, the issue will be replaced.

**POSTMASTER:** Send address changes to Anesthesiology, Downsville Pike, Route 3, Box 20-B, Hagerstown, MD 21740.



Volumes 62-71

1985-1989

THE JOURNAL OF

THE AMERICAN SOCIETY OF ANESTHESIOLOGISTS, INC.

# Anesthesiology

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- thoracic epidural, via caudal route, in infants (CR) [Bösenberg, Bland, Schulte-Steinberg & Downing], 69: 265
- total spinal anesthesia following (CR) [Gauntlett], 65: 82
- for tubal ligation, postpartum, pH-adjusted 2-chloroprocaine for (CR) [Glosten, Dailey, Preston, Shnider, Ross, Rosen & Hughes], 68: 948
- ultra-long-duration anesthesia produced by lecithin-coated methoxyflurane (OA) [Haynes & Kirkpatrick], 63: 490
- unilateral, bilateral amaurosis following (CO) [Follette & LoCascio], 63: 237
- for upper extremity surgery, comparison of three methods of axillary approach to (CR) [Goldberg, Gregg, Larijani, Norris, Marr & Seltzer], 66: 814
- retrobulbar**
- brain stem anesthesia following (CR) [Hamilton], 63: 688
- unilateral, bilateral amaurosis following (CO) [Follette & LoCascio], 63: 237
- retrobulbar block**
- subarachnoid injection as complication of (CI) [Wang, Bogart, Hillman & Turndorf], 71: 845
- retrograde intubation**
- training in (CO) [Guggenberger & Lenz], 69: 292
- spinal**
- accidental injection of hypertonic contrast media, acute treatment after (CO) [Tartiere, Gerard, Peny, Hurpe & Quesnel], 71: 169
- for analgesia following cesarean section (CO) [Abboud], 69: 805
- for analgesia following cesarean section (CO) [Chadwick & Ready], 69: 805
- and anesthetic management for obstetric hysterectomy: a multi-institutional study (CI) [Chestnut, Dewan, Redick, Caton & Spielman], 70: 607
- antinociceptive effects of intrathecal midazolam and fentanyl (LI) [Serrao, Stubbs, Goodchild & Gent], 70: 780
- aseptic meningitis following (CR) [Bert & Laasberg], 62: 674
- assessment of level of anesthesia in, using neuromuscular stimulator (CR) [Meyer & McCune], 67: 125
- asystole during, in patient with sick sinus syndrome (CR) [Cohen], 68: 787
- bradycardia and asystole during (CR) [Mackey, Carpenter, Thompson, Brown & Bodily], 70: 866
- with bupivacaine, local spinal cord blood flow and glucose utilization during (OA) [Crosby], 63: 55



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- fentanyl-, subarachnoid, for cesarean delivery, perioperative analgesia with (CI) [Hunt, Naulty, Bader, Hauch, Vartikar, Datta, Hertwig & Ostheimer], 71: 535
- cardiac arrest during (CO) [Abramowitz], 68: 970
- cardiac arrest during (CO) [Brown, Carpenter, Moore, Bridenbaugh, Rupp, Ramsey, Thompson & Mulroy], 68: 971
- cardiac arrest during (CO) [Caplan, Posner, Ward & Cheney], 68: 973
- cardiac arrest during (CO) [Jones], 68: 973
- cardiac arrest during (CO) [Zornow & Scheller], 68: 970
- cardiac arrests during: unexpected? (CO) [Knill], 69: 629
- for cesarean section, benign intracranial hypertension and (CR) [Abouleish, Ali & Tang], 63: 70x
- for cesarean section in parturient with Noonan's syndrome (CR) [Dadabhoy & Winnie], 68: 636
- changes in skin temperature, relationship to sympathetic blockade during (OA) [Chamberlain & Chamberlain], 65: 139
- changes in skin temperature, relationship to sympathetic blockade during (EV) [Greene], 65: 137
- in child with moyamoya disease, convulsions and temporary hemiparesis following (CO) [Yasukawa, Yasukawa, Akagawa, Nakagawa & Miyasaka], 69: 1023
- for chronic pain management facilitated by field block (CO) [Catchlove], 64: 536
- of clonidine, and effect on opiate withdrawal in rat (OA) [Milne, Cervenko, Jhamandas & Sutak], 62: 34
- complete heart block, and precordial chest thump (CR) [Chester], 69: 600
- continuous intrathecal morphine infusion in (CR) [Coombs, Saunders, Lachance, Savage, Ragnarsson & Jensen], 62: 358
- duration**
  - tetracaine in, influence of epinephrine on (CI) [Carpenter, Smith & Bridenbaugh], 71: 33
- epinephrine and phenylephrine compared in, with tetracaine (CR) [Caldwell, Nielsen, Baltz, Taylor, Helton & Butler], 62: 804
- extensive blockade, psychogenic cardiac arrest during (CR) [Frerichs, Campbell & Bassell], 68: 943
- with extremely fine needles (CO) [Dittmann & Renkl], 70: 1035
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  - tetracaine in, influence of epinephrine on (CI) [Carpenter, Smith & Bridenbaugh], 71: 33
- fentanyl**
  - bupivacaine for cesarean delivery, perioperative analgesia with (CI) [Hunt, Naulty, Bader, Hauch, Vartikar, Datta, Hertwig & Ostheimer], 71: 535
- or general: which is better in elderly? (CR) [Chung, Meier, Lautenschlager, Carmichael & Chung], 67: 422
- and general anesthesia, in multiple sclerosis, intrathecal morphine with (CR) [Berger & Ontell], 66: 400
- headache from pneumocephalus while performing spinal anesthesia (CR) [Roderick, Moore & Artru], 62: 690
- high, in infant (CO) [Bailey, Valley & Bigler], 70: 560
- increased hepatic microsomal enzyme activity after surgery under (OA) [Loft, Boel, Kyst, Rasmussen, Hansen & Døssing], 62: 11
- with isobaric bupivacaine in infants (CR) [Mahe & Ecoffey], 68: 601
- with lidocaine, epinephrine prolongs (CR) [Moore, Chadwick & Ready], 67: 416
- lidocaine and bupivacaine, pharmacokinetics of (OA) [Burm, Van Kleef, Vermeulen, Olthof, Breimer & Spierdijk], 69: 584
- with meperidine, effects in elderly men (CR) [Cozian, Pinaud, Lepage, Lhoste & Souron], 64: 815

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- pharmacokinetics of, in humans (CI) [Maurette, Tauzin-Fin, Vinçon & Brachet-Lierman], 70: 961
- methadone and morphine in, for postoperative analgesia (CI) [Jacobson, Chabal, Brody, Ward & Ireton], 70: 742
- morphine in, for postcesarean analgesia (CR) [Chadwick & Ready], 68: 925
- morphine in, reduces MAC of halothane in humans (OA) [Drasner, Bernards & Ozanne], 69: 310
- narcotics**
  - distribution of, in rat and mouse (OA) [Gustafsson, Post, Edwardsen & Ramsay], 63: 483
- new discharge criteria decrease recovery room time after (CI) [Alexander, Teller, Gross, Owen, Cunningham & Laurencio], 70: 640
- in pediatric regional anesthesia (RA) [Yaster & Maxwell], 70: 324
- postlumbar puncture headache in pediatric oncology patients (CR) [Bolder], 65: 696
- for postoperative pain control in transurethral resection of prostate (CI) [Kirson, Goldman, & Slover], 71: 192
- in premature infants (CO) [Dohi & Seino], 65: 559
- in premature infants (CO) [Harnik], 65: 560
- and prolonged diabetes insipidus subsequent to chemical meningitis (CR) [Garfield, Andriole, Vetto & Richie], 64: 253
- prolonged relief of acute postamputation phantom limb pain with (CR) [Jacobson & Chabal], 71: 984
- quality**
  - tetracaine in, influence of epinephrine on (CI) [Carpenter, Smith & Bridenbaugh], 71: 33
- redistribution of lidocaine and bupivacaine after injection in mice (OA) [Post, Freedman, Ramsay & Bonnevier], 63: 410
- reduction of postlumbar puncture backache by (CO) [Peng, Behar & Blancato], 63: 227
- and scanning electron microscopic examination of resterilized 29-gauge spinal needles (CR) [Tuominen, Keskinen & Rosenberg], 69: 123
- separation of hub from shaft of disposable needle in (CR) [Schlake, Peleman & Winnie], 68: 611
- sterile draping technique for (CO) [Ellermeyer], 67: 150
- subarachnoid block: two for the price of one? (CO) [Buchanan], 66: 254
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- thiopental for phantom limb pain during (CR) [Koyama, Watanabe, Tsuneto, Takahashi & Naito], 69: 598
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- and trunk skin temperature after sympathetic nerve block (CO) [Peters], 66: 444
- unexpected cardiac arrest during (OA) [Caplan, Ward, Posner & Cheney], 68: 5
- and use-dependent block in mammalian axons (OA) [Fink & Cairns], 67: 477
- spinal narcotics**
  - sufentanil in, effects on spinal pain-transmission neurons in cats (OA) [Aoki, Senami, Kitahata & Collins], 64: 225
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- cardiovascular actions of, in hypovolemic swine (OA) [Weiskopf & Bogetz], 63: 509
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- and fentanyl, thermoregulatory threshold in humans during (OA) [Sessler, Olofsson & Rubinstein], 69: 357
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- and health experiences of operating room personnel (CO) [Mazze & Lecky], 63: 463
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- intermittent bolus *versus* computer-assisted alfentanil infusion as supplement to (OA) [Ausems, Vuyk, Hug & Stanski], 68: 851
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- during nitroprusside-induced hypotension to less than 50 mmHg (CI) [Pinaud, Souron, Lelausque, Gazeau, Lajat & Dixneuf], 70: 255
- during normocapnia and hypocapnia in dogs (LI) [Artru, Katz & Colley], 70: 288
- and pharmacologic EEG suppression during cardiopulmonary bypass (OA) [Woodcock, Murkin, Farrar, Tweed, Guiraudon & McKenzie], 67: 218
- and prolonged halothane anesthesia not related to cerebrospinal fluid pH (OA) [Warner, Boarini & Kassell], 63: 243
- regional**
- effect of nimodipine on, in rat (OA) [Young, Josovitz, Morales & Chien], 67: 54
  - during lidocaine-induced seizures in rats (OA) [Tommasino, Maekawa & Shapiro], 64: 771
- regional, during hypocapnia and adenosine-induced hypotension in rat (LI) [Waaben, Husum, Hansen & Gjedde], 70: 299
- regional, following hemorrhage during isoflurane anesthesia in rabbit (LI) [Ruta & Mutch], 70: 978
- regional, isoflurane, halothane and, at various levels of  $P_{aCO_2}$  see under in rabbits (OA) [Scheller, Todd & Drummond], 64: 598
- regional, phenylephrine increases, following hemorrhage during isoflurane-oxygen anesthesia (LI) [Mutch, Malo & Ringaert], 70: 276
- in response to carbon dioxide in dogs with 1.4% and 2.8% isoflurane (LI) [McPherson, Brian & Traystman], 70: 843
- in response to oxybarbiturates and thiobarbiturates (LI) [Hatano, Nakamura, Moriyama, Mori & Toda], 71: 80
- in response to phenylephrine during cardiopulmonary bypass (OA) [Rogers, Stump, Gravelle, Prough, Angert, Wallenhaupt, Roy & Phipps], 69: 547
- <sup>133</sup>Xenon for measurement of, during halothane, enflurane, and isoflurane anesthesia in humans (OA) [Eintrei, Leszniewski & Carlsson], 63: 391
- following succinylcholine in dogs (OA) [Lanier, Milde & Michenfelder], 64: 551
- blood volume**
- is increased in dogs during administration of nitrous oxide or isoflurane (OA) [Archer, Labrecque, Tyler, Meyer & Trop], 67: 642
- blood-brain barrier**
- cardiopulmonary resuscitation and (MI) [Schleien, Berkowitz, Traystman & Rogers], 71: 133
  - and curare and histamine effects in rat (OA) [Vesely, Hoffman, Gil, Albrecht & Miletich], 66: 519
- brain stem**
- and reduced anesthetic requirement after electrical stimulation of periaqueductal gray matter (OA) [Roizen, Newfield, Eger, Hosobuchi, Adams & Lamb], 62: 120
- brain water content**
- comparison of effects of halothane, isoflurane, and pentobarbital anesthesia on, following brain injury in rabbits (LI) [Kaieda, Todd, Weeks & Warner], 71: 571
- brainstem**
- and ventilatory pharmacodynamics of morphine sulfate (LI) [Pelligrino, Peterson, Henderson & Albrecht], 71: 250
- carbon dioxide tension**
- effect of interaction of fentanyl and pentobarbital on, in newborn lambs (LI) [Yaster, Koehler & Traystman], 70: 461
  - effects of fentanyl on, in neonatal lambs (OA) [Yaster, Koehler & Traystman], 66: 524
- central nervous system**
- depression**
    - from epidural fentanyl for extracorporeal shock wave lithotripsy (CR) [Wells & Davies], 67: 991
    - electroconvulsive therapy—1987 and (RA) [Selvin], 67: 367
  - rigidity**
    - during opioid anesthetic induction (CI) [Smith, Benthuisen, Bickford, Sanford, Blasco, Duke, Head & Dec-Silver], 71: 852
- cerebral blood flow**
- effect of hypervolemic hemodilution on, following cerebral artery occlusion (LI) [Cole, Drummond, Shapiro, Hertzog & Brauer], 71: 580
  - influence of hypocarbia on, extracellular potassium and (OA) [Mutch & Gardner-Medwin], 66: 350
  - response of, to changes in carbon dioxide tension during hypothermic cardiopulmonary bypass (OA) [Prough, Stump, Roy, Gravelle, Williams, Mills, Hinshelwood & Howard], 64: 576
- cerebral edema**
- comparison of effects of halothane, isoflurane, and pentobarbital anesthesia on, following brain injury in rabbits (LI) [Kaieda, Todd, Weeks & Warner], 71: 571
  - prolonged reduction in colloid oncotic pressure does not increase, following cryogenic injury in rabbits (LI) [Kaieda, Todd & Warner], 71: 554
- cerebral glucose utilization**
- effect of hypocapnia on, in rats (LI) [Samra, Turk & Arens], 70: 523
- cerebral metabolism**
- effect of hypocapnia on, in rats (LI) [Samra, Turk & Arens], 70: 523
- cerebral perfusion pressure**
- and increase in intracranial pressure after deflation of pneumatic tourniquet (CR) [Conaty & Klemm], 71: 294
- cerebrovascular resistance**
- in response to carbon dioxide in dogs with 1.4% and 2.8% isoflurane (LI) [McPherson, Brian & Traystman], 70: 843
- CNS excitation**
- during exposure to isoflurane, enflurane, and halothane in mice (LR) [Komatsu & Ogli], 67: 771
- cognition**
- and other mental functions compared after general or regional anesthesia (OA) [Ghonheim, Hinrichs, O'Hara, Mehta, Pathak, Kumar & Clark], 69: 507
- CO<sub>2</sub> reactivity**
- effects of sufentanil versus isoflurane on (CI) [Young, Prohonik, Correll, Ostapkovich, Ornstein, Matteo & Baker], 71: 863
- CO<sub>2</sub> response**
- during anesthesia with isoflurane and halothane and during sedation with nitrous oxide (OA) [Drummond & Todd], 62: 268
  - various levels of, isoflurane, halothane and regional cerebral blood flow at, in rabbits (OA) [Scheller, Todd & Drummond], 64: 598
- coma**
- and acute elevation of intracranial pressure during hepatic transplantation (CR) [Bratjbord, Parks, Ramsay, Paulsen, Valek, Swygert & Klintmalm], 70: 139
- concentrations of drugs**
- in diazepam-morphine hypnotic synergism in rats (LI) [Kissin, Brown, Bradley, Robinson & Cassady], 70: 689

# convulsion

influence of sufentanil on, in rat (OA) [Keykhah, Smith, Carlsson, Safo, Englebach & Harp], 63: 274

# convulsions

anesthetics and nematodes (OA) [Morgan & Cascorbi], 62: 738  
and anticonvulsant actions of enflurane on epilepsy models in cats (OA) [Oshima, Urabe, Shingu & Mori], 63: 29  
and effect of lidocaine on hippocampus *in vitro* (LR) [Schurr, Spears, Reid, West, Edmonds & Rigor], 64: 501

# cryogenic injury

intracranial pressure effects of isoflurane and halothane following (OA) [Scheller, Todd, Drummond & Zornow], 67: 507

# damage

## hypoxia

magnetic resonance spectroscopy in (EV) [Smith & Chance], 67: 157

## ischemia

magnetic resonance spectroscopy in (EV) [Smith & Chance], 67: 157

# decerebration

effects of halothane on, in cat (OA) [Tabatabai, Kitahata, Yuge, Matsumoto & Collins], 66: 176  
and fentanyl effects on inspiratory neurons (LI) [Tabatabai, Kitahata & Collins], 70: 489

# delayed neuronal necrosis

failure of pre-ischemic lidocaine to ameliorate, in rat (OA) [Warner, Godersky & Smith], 68: 73

# development

after brief exposure to nitrous oxide or halothane (OA) [Rodier, Aschner, Lewis & Koeter], 64: 680  
cell proliferation in, after brief exposure to nitrous oxide or halothane (OA) [Rodier, Aschner, Lewis & Koeter], 64: 590

# disinhibition

during exposure to isoflurane, enflurane, and halothane in mice (LR) [Komatsu & Ogli], 67: 771

# edema

in changes in plasma osmolality and oncotic pressure (OA) [Zornow, Todd & Moore], 67: 936  
failure of pre-ischemic lidocaine to ameliorate, in rat (OA) [Warner, Godersky & Smith], 68: 73  
iso-osmolal intravenous fluid therapy and (OA) [Warner & Bochland], 68: 86  
in isotonic crystalloid and colloid therapy following cryogenic brain injury (OA) [Zornow, Scheller, Todd & Moore], 69: 180

# EEG

and anticonvulsant actions of enflurane on epilepsy models in cats (OA) [Oshima, Urabe, Shingu & Mori], 63: 29  
in study of cerebral protective effects of isoflurane and barbiturates during temporary focal ischemia (OA) [Nehls, Todd, Spetzler, Drummond, Thompson, Johnson, Mendenhall, Barstow, Carmichael, Young, Fifield & Jones], 66: 453  
in study of whether isoflurane aggravates regional cerebral ischemia (EV) [Michenfelder], 66: 451

# electroencephalogram

in accidental carotid artery injection of lidocaine in carotid endarterectomy (CR) [Perkins, Lanier & Sharbrough], 69: 787  
in assessment of cerebral effects of pancuronium and atracurium in halothane-anesthetized dogs (OA) [Lanier, Milde & Michenfelder], 63: 589  
in assessment of cerebral functional, metabolic, and hemodynamic effects of etomidate in dogs (OA) [Milde, Milde & Michenfelder], 63: 371

in assessment of cerebral stimulation following succinylcholine in dogs (OA) [Lanier, Milde & Michenfelder], 64: 551  
in brain injury resulting from severe hypotension and hemodilution in monkeys (OA) [Dong, Bledsoe, Chadwick, Shaw & Hornbein], 65: 617

and cerebral and muscle afferent effects of succinylcholine (LI) [Lanier, Iaizzo & Milde], 71: 87

dose-related changes in, in pigs, I653 and isoflurane produce (OA) [Rampil, Weiskopf, Brown, Eger, Johnson, Holmes & Donegan], 69: 298

effect of epoch length on power spectrum analysis of (OA) [Levy], 66: 489

effects of succinylcholine on, is different in humans than in dogs (CO) [Lanier, Milde & Michenfelder], 65: 452

effects of succinylcholine on, is different in humans than in dogs (CO) [Merin], 65: 452

influence of sufentanil on, in rat (OA) [Keykhah, Smith, Carlsson, Safo, Englebach & Harp], 63: 274

during isoflurane anesthesia for carotid endarterectomy (OA) [Messick, Casement, Sharbrough, Milde, Michenfelder & Sundt], 66: 344

and isoflurane to decrease frequency of cerebral ischemia during carotid endarterectomy (OA) [Michenfelder, Sundt, Fode & Sharbrough], 67: 336

in lidocaine dosage in dogs anesthetized with isoflurane (OA) [Milde & Milde], 67: 180

quantitation of narcotic effect (EV) [Hug], 62: 221

quantitation of narcotic effect: comparative pharmacodynamics of fentanyl and alfentanil (OA) [Scott, Ponganis & Stanski], 62: 234

in study of cerebral effects of high-dose midazolam 2nd subsequent reversal with Ro 15-1788 in dogs (OA) [Fleischer, Milde, Moyer & Michenfelder], 68: 234

in study of cerebral vascular and metabolic effects of fentanyl and midazolam in young and aged rats (OA) [Baughman, Hoffman, Albrecht & Miletich], 67: 314

in study of neurologic outcome following complete cerebral ischemia during halothane, isoflurane, or nitrous oxide (OA) [Baughman, Hoffman, Miletich, Albrecht & Thomas], 69: 192

in study of power spectrum changes during induction with enflurane (OA) [Levy], 64: 688

# electroencephalography

in assessment of sensitivity to etomidate in elderly (OA) [Arden, Holley & Stanski], 65: 19

changes during carotid endarterectomy, hypocapnia added to hypertension to reverse (CR) [Artru & Merriman], 70: 1016

during combination of hypocapnia and isoflurane-induced hypotension in dogs (OA) [Artru], 65: 602

and effect of increasing age on thiopental disposition and anesthetic requirement (EV) [Atkinson & Henthorn], 62: 706

and effect of increasing age on thiopental disposition and anesthetic requirement (OA) [Homer & Stanski], 62: 714

during exposure to isoflurane, enflurane, and halothane in mice (LR) [Komatsu & Ogli], 67: 771

and isoflurane or thiopental in focal cerebral ischemia (OA) [Milde, Milde, Lanier & Michenfelder], 69: 905

during lidocaine-induced seizures in rats (OA) [Tommasino, Maekawa & Shapiro], 64: 771

in study of physiology of alfentanil-induced rigidity (OA) [Benthuyssen, Smith, Sanford, Head & Dec-Silver], 64: 440

and thiopental kinetics and dynamics in aged (OA) [Homer & Stanski], 62: 714



**entorhinal cortex**

glucose use in, influence of ketamine on (OA) [Davis, Mans, Biebuyck & Hawkins], 69: 199

**evoked potentials****auditory**

- scopolamine, morphine, and, in awake monkeys (OA) [Samra, Krutak-Krol, Pohorecki & Domino], 62: 437
- in brain injury resulting from severe hypotension and hemodilution in monkeys (OA) [Dong, Bledsoe, Chadwick, Shaw & Hornbein], 65: 617
- effect of high dose sodium thiopental on (OA) [Drummond, Todd & Sang], 63: 249
- somatosensory, during fentanyl anesthesia, effects of enflurane, isoflurane, and nitrous oxide on (OA) [McPherson, Mahia, Johnson & Traystman], 62: 626
- in study of cerebral protective effects of isoflurane and barbiturates during temporary focal ischemia (OA) [Nehls, Todd, Spetzler, Drummond, Thompson, Johnson, Mendenhall, Barstow, Carmichael, Young, Fifield & Jones], 66: 453
- in study of whether isoflurane aggravates regional cerebral ischemia (EV) [Michenfelder], 66: 451

**fluorine**

nuclear magnetic resonance spectroscopy, study of halothane uptake and elimination in rat brain (OA) [Litt, González-Méndez, James, Sessler, Mills, Chew, Moseley, Pereira, Severinghaus & Hamilton], 67: 161

**forebrain ischemia**

failure of pre-ischemic lidocaine to ameliorate, in rat (OA) [Warner, Godersky & Smith], 68: 73

**function**

in rats during etomidate anesthesia (OA) [Davis, Mans, Biebuyck & Hawkins], 64: 751

**GABA receptors**

and induction of anesthesia with GABA analog, THIP (OA) [Cheng & Brunner], 63: 147

**glucose consumption**

selective changes in, induced by phenobarbital in rat (OA) [Hodes, Soncrant, Larson, Carlson & Rapoport], 63: 633

**glucose metabolism**

- local, during enflurane anesthesia in rats (OA) [Nakakimura, Sakabe, Nunatsu, Maekawa & Takeshita], 68: 777
- during nitrous oxide and pentobarbital anesthesia in rats (OA) [Sakabe, Tsutsui, Maekawa, Ishikawa & Takeshita], 63: 262
- in rats during etomidate anesthesia (OA) [Davis, Mans, Biebuyck & Hawkins], 64: 751

**glucose utilization**

- effects of isoflurane on, in rat (OA) [Ori, Dam, Pizzolato, Battistin & Giron], 65: 152
- during isoflurane anesthesia in rat (OA) [Maekawa, Tommasino, Shapiro, Keifer-Goodman & Kohlenberger], 65: 144

**regional**

- effect of nimodipine on, in rat (OA) [Young, Josovitz, Morales & Chien], 67: 54
- in response to nitrous oxide-enflurane (LI) [Cole & Shapiro], 70: 787

**head injury**

and thiopental pharmacokinetics under conditions of long-term infusion (OA) [Turcant, Delhumeau, Premel-Cabic, Granry, Cottineau, Six & Allain], 63: 50

**hemiplegia**

sensitivity of adductor pollicis and diaphragm muscles to atracurium in (C.) [Laycock, Smith, Donati & Bevan], 67: 851

**hemorrhage**

in arteriovenous malformations, hypertension does not cause (CI) [Szabo, Crosby, Sundaram, Dodson & Kjellberg], 70: 761

perianesthetic, in preterm neonates (CR) [Friesen, Honda & Thieme], 67: 814

**hippocampal slice**

calcium-blocking agents and anoxic damage in (OA) [Kass, Cottrell & Chambers], 69: 710

**hippocampus**

- effect of lidocaine on, *in vitro* (LR) [Schurr, Spears, Reid, West, Edmonds & Rigor], 64: 501
- glucose use in, influence of ketamine on (OA) [Davis, Mans, Biebuyck & Hawkins], 69: 199
- of rat, effect of volatile anesthetics on synaptic transmission (LI) [Pearce, Stringer & Lothman], 71: 591

**hypothalamus**

- and thermoregulatory threshold in humans during halothane anesthesia (OA) [Sessler, Olofsson, Rubinstein & Beebe], 68: 836
- and thermoregulatory threshold in humans during nitrous oxide-fentanyl anesthesia (OA) [Sessler, Olofsson & Rubinstein], 69: 357

**hypothermia**

and core temperature changes during N<sub>2</sub>O fentanyl and halothane/O<sub>2</sub> anesthesia (CR) [Sessler, Rubinstein & Eger], 67: 137

**hypoxia**

- effect of etomidate pretreatment on, in rat (LI) [Smith, Keykhah, O'Neill & Harp], 71: 438
- in rat, influence of fentanyl upon cerebral high-energy metabolites, lactate, and glucose during (OA) [Keykhah, Smith, O'Neill & Harp], 69: 566

**infarction**

neurosurgery in, intraoperative glucose during (OA) [Sieber, Smith, Kupferberg, Crosby, Uzzell, Buzby, March & Nann], 64: 453

**inspiratory neuron**

effects of halothane on, in cat (OA) [Tabatabai, Kitahata, Yuge, Matsumoto & Collins], 66: 176

**inspiratory neurons**

fentanyl effects on (LI) [Tabatabai, Kitahata & Collins], 70: 489

**intracranial**

- in changes in plasma osmolality and oncotic pressure (OA) [Zornow, Todd & Moore], 67: 936
- following succinylcholine in dogs (OA) [Lanier, Milde & Michenfelder], 64: 551

**intracranial hypertension**

local intraparenchymal pentobarbital effects on, following experimental subarachnoid hemorrhage (OA) [Hayashi, Kobayashi, Kawano, Handa & Kabuto], 66: 758

**intracranial pressure**

- following administration of thiopental, midazolam, and etomidate in dogs (OA) [Artru], 69: 541
- and cerebral and muscle afferent effects of succinylcholine (LI) [Lanier, Iazzo & Milde], 71: 87
- comparison of effects of halothane, isoflurane, and pentobarbital anesthesia on, following brain injury in rabbits (LI) [Kaieda, Todd, Weeks & Warner], 71: 571
- and craniotomy in patient with bronchopleural fistula (CR) [Gutstein & Koblin], 67: 804
- and crystalloid and colloid effects on injured brain (OA) [Zornow, Scheller, Todd & Moore], 69: 180
- and curare and histamine effects in rat (OA) [Vesely, Hoffman, Gil, Albrecht & Miletich], 66: 519
- effects of isoflurane and halothane following cryogenic brain injury (OA) [Scheller, Todd, Drummond & Zornow], 67: 507
- effects of sevoflurane on, are similar to those of isoflurane in

- rabbit (OA) [Scheller, Tateishi, Drummond & Zornow], 68: 548
- effects of succinylcholine on, is different in humans than in dogs (CO) [Lanier, Milde & Michenfelder], 65: 452
- effects of succinylcholine on, is different in humans than in dogs (CO) [Merin], 65: 452
- hypocapnia and, during halothane or nitrous oxide (OA) [Artru & Hornbein], 67: 66
- increases in, from succinylcholine (OA) [Minton, Grosslight, Stirt & Bedford], 65: 165
- interaction of sodium nitroprusside, hypotension, and isoflurane in determination of (OA) [Michenfelder & Milde], 69: 870
- is increased in dogs during administration of nitrous oxide or isoflurane (OA) [Archer, Labrecque, Tyler, Meyer & Trop], 67: 642
- isoflurane and (CO) [Finck], 64: 833
- isoflurane and (CO) [Grosslight & Bedford], 64: 834
- local intraparenchymal pentobarbital effects on, following experimental subarachnoid hemorrhage (OA) [Hayashi, Kobayashi, Kawano, Handa & Kabuto], 66: 758
- management of acute elevation of, during hepatic transplantation (CR) [Brajtford, Parks, Ramsay, Paulsen, Valek, Swygert & Klintmalm], 70: 139
- prevention of increases in, in neurosurgery (CO) [Stirt, Grosslight, Bedford & Vollmer], 68: 168
- prevention of increases in, in neurosurgery (CO) [Young, Smith, Bagshaw & Bloom], 68: 168
- prolonged reduction in colloid oncotic pressure does not increase, following cryogenic injury in rabbits (LI) [Kaieda, Todd & Warner], 71: 554
- <sup>135</sup>Xenon for measurement of, during halothane, enflurane, and isoflurane anesthesia in humans (OA) [Eintrei, Lesznowski & Carlsson], 63: 391
- severe increase in, after deflation of pneumatic tourniquet (CR) [Conaty & Klemm], 71: 294
- in study of cerebrospinal fluid dynamics: succinylcholine or vecuronium (OA) [Artru], 68: 392
- succinylcholine-induced, "defasciculation" with metocurine prevents (OA) [Stirt, Grosslight, Bedford & Vollmer], 67: 50
- following thiopental or etomidate (LI) [Artru], 71: 763
- ischemia**
- calcium-blocking agents and anoxic damage (OA) [Kass, Cottrell & Chambers], 69: 710
- complete, canine cerebral function and blood flow after (OA) [Stangland, Milde & Michenfelder], 64: 430
- complete, effects of dextrose infusion and head position on neurologic outcome after (OA) [Lanier, Stangland, Scheithauer, Milde & Michenfelder], 66: 39
- complete, in dogs, effect of lidoflazine on cerebral blood flow and neurologic outcome after (OA) [Fleischer, Lanier, Milde & Michenfelder], 66: 304
- complete, nimodipine improves outcome after (OA) [Steen, Gisvold, Milde, Newberg, Scheithauer, Lanier & Michenfelder], 62: 406
- effect of hypervolemic hemodilution on, following cerebral artery occlusion (LI) [Cole, Drummond, Shapiro, Hertzog & Brauer], 71: 580
- effect of nimodipine on, in rat (OA) [Young, Josovitz, Morales & Chien], 67: 54
- effects of flunarizine on (OA) [Deshpande & Wieloch], 64: 215
- focal, isoflurane or thiopental in (OA) [Milde, Milde, Lanier & Michenfelder], 69: 905
- during halothane, isoflurane, or nitrous oxide, neurologic outcome following (OA) [Baughman, Hoffman, Miletich, Albrecht & Thomas], 69: 192
- during induced hypotension in primate (LI) [Gelb, Boisvert, Tang, Lam, Marchak, Dowman & Mielke], 70: 678
- interaction of nitrous oxide and isoflurane and, in rat (LI) [Baughman, Hoffman, Thomas, Albrecht & Miletich], 70: 767
- during isoflurane anesthesia for carotid endarterectomy (OA) [Messick, Casement, Sharbrough, Milde, Michenfelder & Sundt], 66: 344
- iso-osmolal intravenous fluid therapy and (OA) [Warner & Bochland], 68: 86
- MK-801**
- effect of, on outcome after prolonged cardiac arrest in dogs (LI) [Sterz, Leonov, Safer, Radovsky, Stezoski, Reich, Shearman & Greber], 71: 924
- NMDA receptor blocker**
- effect of, on outcome after prolonged cardiac arrest in dogs (LI) [Sterz, Leonov, Safer, Radovsky, Stezoski, Reich, Shearman & Greber], 71: 924
- post-cardiac arrest therapy and (EV) [Shapiro], 62: 384
- protection**
- effects of isoflurane and barbiturates on, compared (OA) [Nehls, Todd, Spetzler, Drummond, Thompson, Johnson, Mendenhall, Barstow, Carmichael, Young, Fifield & Jones], 66: 453
- does isoflurane aggravate? (EV) [Michenfelder], 66: 451
- transient, neuroprotective action of ketamine and MK-801 after, in rats (OA) [Church, Zeman & Lodge], 69: 702
- and use of glucose-containing solutions during surgery (CO) [Metz], 68: 651
- and use of glucose-containing solutions during surgery (CO) [Sieber & Smith], 68: 651
- jugular venous compression**
- effect of, on canine cerebral blood flow, in head elevated position (OA) [Toung, Miyabe, McShane, Rogers & Traystman], 68: 53
- lactate**
- and reevaluation of intraoperative glucose use (MI) [Sieber, Smith, Traystman & Wollman], 67: 72
- and volatile anesthetics and brain glucose metabolism in rats (LR) [Kofke, Hawkins, Davis & Biebuyck], 66: 810
- laudanosine**
- increases minimum alveolar concentration of halothane in rabbits (OA) [Shi, Fahey, Fisher, Miller, Canfell & Eger], 63: 584
- medulla oblongata**
- effects of halothane on, in cat (OA) [Tabatabai, Kitahata, Yuge, Matsumoto & Collins], 66: 176
- sensitivity to fentanyl (LI) [Tabatabai, Kitahata & Collins], 70: 489
- memory**
- and other mental functions compared after general or regional anesthesia (OA) [Ghormheim, Hinrichs, O'Hara, Mehta, Pathak, Kumar & Clark], 69: 507
- metabolic rate oxygen**
- effect of halothane on, in fetal lamb *in vitro* (OA) [Cheek, Hughes, Dailey, Field, Pytko, Rosen, Parer & Shnyder], 67: 361
- metabolic rate of glucose**
- during hypothermia in newborn dogs (LI) [Palmer, Vannucci, Christensen & Brucklacher], 71: 730
- metabolism**
- during alcohol withdrawal and following midazolam therapy (OA) [Newman, Hoffman, Miletich & Albrecht], 63: 395
- and cerebral and muscle afferent effects of succinylcholine (LI) [Lanier, Iaizzo & Milde], 71: 87
- and changes in glucose utilization induced by phenobarbital in rats (OA) [Hodes, Soncrant, Larson, Carlson & Rapoport], 63: 633

- during combination of hypocapnia and isoflurane-induced hypotension in dogs (OA) [Artru], 65: 602
- in continuous etomidate infusion in dogs (OA) [Milde, Milde & Michenfelder], 63: 371
- and direct cerebral vasodilating potencies of halothane and isoflurane, compared, in New Zealand white rabbit (OA) [Drummond, Todd, Scheller & Shapiro], 65: 462
- effect of etomidate pretreatment on, in rat (LI) [Smith, Keykhah, O'Neill & Harp], 71: 438
- effect of interaction of fentanyl and pentobarbital on, in newborn lambs (LI) [Yaster, Koehler & Traystman], 70: 461
- effect of isoflurane-induced hypotension on (OA) [Newman, Gelb & Lam], 64: 307
- effect of lidocaine on, in dogs anesthetized with isoflurane (OA) [Milde & Milde], 67: 180
- effect of lidoflazine on, after complete cerebral ischemia in dogs (OA) [Fleischer, Lanier, Milde & Michenfelder], 66: 304
- effects of dextrose infusion and head position on, after complete cerebral ischemia (OA) [Lanier, Stangland, Scheithauer, Milde & Michenfelder], 66: 39
- effects of fentanyl on, in neonatal lambs (OA) [Yaster, Koehler & Traystman], 66: 524
- and effects of fentanyl and midazolam in young and aged rats (OA) [Baughman, Hoffman, Albrecht & Miletich], 67: 314
- effects of pancuronium and atracurium on, in halothane-anesthetized dogs (OA) [Lanier, Milde & Michenfelder], 63: 589
- effects of phenobarbital on, in young and aged rats (OA) [Baughman, Hoffman, Miletich & Albrecht], 65: 500
- effects of succinylcholine on, is different in humans than in dogs (CO) [Lanier, Milde & Michenfelder], 65: 452
- effects of succinylcholine on, is different in humans than in dogs (CO) [Merin], 65: 452
- effects of sufentanil *versus* isoflurane on (CI) [Young, Prohnik, Correll, Ostapovich, Ornstein, Matteo & Baker], 71: 863
- of glucose, volatile anesthetics and (LR) [Kofke, Hawkins, Davis & Biebuyck], 66: 810
- with high-dose midazolam, and subsequent reversal with Ro 15-1788 in dogs (OA) [Fleischer, Milde, Moyer & Michenfelder], 68: 234
- in hypotension induced by adenosine or ATP in dogs (OA) [Newberg, Milde & Michenfelder], 62: 429
- influence of sufentanil on, in rat (OA) [Keykhah, Smith, Carlsson, Safo, Englebach & Harp], 63: 274
- interaction of nitrous oxide and isoflurane and, in rat (LI) [Baughman, Hoffman, Thomas, Albrecht & Miletich], 70: 767
- during isoflurane anesthesia (OA) [Madsen, Cold, Hansen & Bardrum], 66: 332
- lidocaine and (CO) [Astrup], 68: 469
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- and effects of succinylcholine on mouth opening (OA) [Van Der Spek, Fang, Ashton-Miller, Stohler, Carlson & Schork], 67: 459
- incorrect diagnosis of, in children, underdosage with succinylcholine may lead to (CO) [Meakin], 69: 1025
- incorrect diagnosis of, in children, underdosage with succinylcholine may lead to (CO) [Van Der Spek], 69: 1026
- during limb muscle flaccidity associated with succinylcholine administration (OA) [Van Der Spek, Fang, Ashton-Miller, Stohler, Carlson & Schork], 69: 11

**meconium aspiration**

- "disappearing" endotracheal tube following (CO) [Finucane, Shanley & Ricketts], 71: 469

**Meniere's syndrome**

- following epidural morphine analgesia (CR) [Linder, Borgeat & Biollaz], 71: 782

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- chemical, prolonged diabetes insipidus subsequent to (CR) [Garfield, Andriole, Vetto & Richie], 64: 253

**methemoglobinemia**

- in intravenous regional anesthesia, comparison of lidocaine and

prilocaine (CR) [Bader, Concepcion, Hurley & Arthur], 69: 409

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**misplaced catheters**

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**morbid obesity**

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of multipurpose pacing pulmonary artery catheterization via external jugular vein approach (CO) [Lawson & Kushins], 62: 377

**muscle pain**

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**muscle weakness**

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**myasthenia gravis**

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predicting need for postoperative mechanical ventilation in (CR) [Eisenkraft, Papatestas, Kahn, Mora, Fagerstrom & Genkins], 65: 79

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**myocardial infarction**

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dantrolene prophylaxis and (CO) [Watson & Norfleet], 66: 702

**neurotoxicity**

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**obesity**

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**peritonitis**

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possible pharmacologic trespass in (CO) [Uzoni & Leiman], 63: 337

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**pneumocephalus**

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- and intracranial subdural gas (CR) [McPherson, Toung, Johnson, Rosenbaum & Wang], 62: 816

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- in use of petroleum jelly with endotracheal tube (CO) [Gold], 63: 339

**pneumonitis**

- Bicitra® and metoclopramide in outpatient anesthesia for prophylaxis against (OA) [Manchikanti, Grow, Collier, Hadley & Holibein], 63: 378
- and dose-response effects of intravenous ranitidine on gastric pH and volume in outpatients (OA) [Manchikanti, Collier, Grow, Demeyer, Hadley & Roush], 65: 180
- in ranitidine prophylaxis in outpatients (CO) [Kittelberger], 66: 441
- in ranitidine prophylaxis in outpatients (CO) [Manchikanti], 66: 442
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- associated with keyed filling devices (CO) [Williams, Dicks & Benson], 67: 610
- associated with keyed filling devices (CO) [Williams, Dicks & Benson], 68: 813
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- does not resemble thermoregulatory shivering (OA) [Sessler, Israel, Pozos, Pozos & Rubinstein], 68: 843

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- prevention of (CO) [Yanagida & Suwa], 67: 441

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- in epidural anesthesia and analgesia in high-risk surgical patients (OA) [Yeager, Glass, Neff & Brinck-Johnsen], 66: 729
- and epidural sufentanil following thoracotomy (OA) [Whiting, Sandler, Lau, Chovaz, Slavchenko, Daley & Koren], 69: 36
- hepatitis following halothane (RA) [Stock & Strunin], 63: 424
- postoperative apnea in preterm infants (OA) [Kurth, Spitzer, Broennie & Downes], 66: 483

**postoperative confusion**

- in elderly (CR) [Chung, Meier, Lautenschlager, Carmichael & Chung], 67: 422
- practice standards (CO) [Eichhorn], 71: 473
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- propofol versus thiopental for outpatient anesthesia (CR) [Johnston, Noseworthy, Anderson, Konopad & Grace], 67: 431

**preeclampsia**

- defense of trimethaphan for use in (CO) [Sosis & Leighton], 64: 657
- epinephrine should not be used with local anesthetics for epidural anesthesia in (CO) [Heller], 66: 578
- epinephrine should not be used with local anesthetics for epidural anesthesia in (CO) [Robinson], 66: 577
- nifedipine or verapamil counteracts hypertension in gravid ewes (OA) [Norris, Rose & Dewan], 65: 254
- severe, nitroglycerin in preventing hypertensive response to tracheal intubation in (CR) [Hood, Dewan, James, Floyd & Borgard], 63: 329

**protamine**

- and C5a and thromboxane release by heparin reversal (EV) [Colman], 66: 595
- and C5a and thromboxane release by heparin reversal (OA) [Morel, Zapol, Thomas, Kitain, Robinson, Moss, Chenoweth & Lowenstein], 66: 597

**pruritus**

- epidural and intramuscular hydromorphone compared for post-cesarean section analgesia (CR) [Henderson, Matthew, Cohen & Avram], 66: 825
- fentanyl-induced, nalbuphine for prevention of (CR) [Davies & From], 69: 763
- nalbuphine augmentation of analgesia and reversal of, following epidural hydromorphone (CR) [Henderson & Cohen], 65: 216

**pulmonary**

- as influence on lung volume at which shunting occurs with inhalation anesthesia (OA) [Dueck, Prutow, Davies, Clausen & Davidson], 69: 854
- occurring in recovery room after general anesthesia (CR) [Beard, Jick & Walker], 64: 269

**pulmonary artery catheter**

- frozen: complication associated with cryoablation of ventricle (CO) [Zahl, Murray & Jobs], 64: 662

**pulmonary artery catheters**

- inadvertent incorrect passage of, during cardiac surgical procedure (CR) [Allyn, Lichtenstein, Koski, Jacobs & Lowenstein], 70: 1019
- proximal port dysfunction, erroneous cardiac output determination due to (CO) [Curley, Harte & Sheikh], 64: 662

**pulmonary artery perforation**

- balloon inflation and deflation as influence on (CR) [Johnston, Royster, Vinten-Johnsen, Gravlee, Howard, Mills & Tucker], 67: 110
- during cardiac surgery (CR) [Johnston, Royster, Choplin, Howard, Mills & Tucker], 64: 258

**pulmonary artery pressure**

- erroneously high
- in frozen pulmonary artery catheter (CO) [Zahl, Murray & Jobs], 64: 662

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- following acute upper airway obstruction (CO) [Frank & Schreiber], 65: 106
- and cardiomyopathy presenting at cesarean delivery (CR) [Malinow, Butterworth, Johnson, Safon, Rein, Hartwell, Datta, Lind & Osheimer], 63: 545
- due to cutaneous bronchopleural fistula (CR) [Brister, Barnette & Reardon], 64: 802

- intraoperative re-expansion (CR) [Disederio, Meister & Bedford], 67: 821
- laryngospasm-induced, delayed onset of, in adult outpatient (CO) [Glasser & Siler], 62: 370
- following low-dose naloxone administration (CO) [Partridge & Ward], 65: 709
- from nalbuphine reversal of fentanyl-induced respiratory depression (CO) [DesMarteau & Cassot], 65: 237
- pulmonary hypertension**
- and C5a and thromboxane release by heparin reversal (EV) [Colman], 66: 595
- and C5a and thromboxane release by heparin reversal (OA) [Morel, Zapol, Thomas, Kitain, Robinson, Moss, Chenoweth & Lowenstein], 66: 597
- epidural analgesia with low-dose bupivacaine and fentanyl for labor and delivery in (CR) [Robinson & Leicht], 68: 285
- left atrial injection of protamine does not reliably prevent (CR) [Kronenfeld, Garguilo, Weinberg, Grant, Thomas & Turn-dorf], 67: 578
- pulse deficit**
- pulse oximetry is accurate in patients with (CO) [Wong, Tremper, Davidson, Zaccari, Weidoff, Wilbur & Stemmer], 70: 1024
- and quality assurance: irrelevant data is never inexpensive enough (CO) [Cooper & Cullen], 68: 968
- and quality assurance: irrelevant data is never inexpensive enough (CO) [Knapp], 68: 967
- radiotherapy**
- cardiorespiratory arrest following, for treatment of brain stem tumor (CR) [Brose, Samuels & Steinberg], 71: 450
- recurrent spinal anesthesia**
- following subarachnoid block (CO) [Buchanan], 66: 254
- renal failure**
- postanesthetic acute, due to carnitine palmitoyl transferase deficiency (CR) [Katsuya, Misumi, Ohtani & Muke], 68: 945
- serum sufentanil levels in, assay for, is not sensitive (CO) [Avram, Henthorn & Krejcie], 65: 110
- serum sufentanil levels in, assay for, is not sensitive (CO) [Gandolfi, Cork & Levy], 65: 112
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- residual paralysis**
- d-tubocurarine and (CO) [Knill], 71: 480
- d-tubocurarine and (CO) [Pavlin], 71: 480
- residual weakness**
- following neuromuscular blockade, how should it be detected? (EV) [Miller], 70: 379
- respiratory arrest**
- delayed, after alfentanil (CR) [Mahla, White & Moneta], 69: 593
- respiratory depression**
- and epidural sufentanil following thoracotomy (OA) [Whiting, Sandler, Lau, Chovaz, Slavchenko, Daley & Koren], 69: 36
- respiratory distress syndrome, adult**
- bedside measurement of pulmonary capillary pressure in (OA) [Collee, Lynch, Hill & Zapol], 66: 614
- respiratory failure**
- and elevated sufentanil levels in chronic renal failure (CR) [Wig-gum, Cork, Weldon, Gandolfi & Perry], 63: 708
- postoperative, sufentanil plasma levels and (CO) [Heykants, Woestenborghs & Timmerman], 65: 112
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- following halothane anesthesia without succinylcholine (CR) [Ru-biano, Chang, Carroll, Sonbolian & Larson], 67: 856
- rhabdomyosarcoma**
- succinylcholine-induced hyperkalemia in patient with (CR) [Krik-ken-Hogenberk, deJong & Bovill], 70: 553
- right ventricular failure**
- and C5a and thromboxane release by heparin reversal (EV) [Col-man], 66: 595
- and C5a and thromboxane release by heparin reversal (OA) [Morel, Zapol, Thomas, Kitain, Robinson, Moss, Chenoweth & Lowenstein], 66: 597
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- alfentanil-induced, intracranial pressure increases during (LR) [Benthuyzen, Kien & Quam], 68: 438
- during fentanyl infusion with absence of seizure activity in simul-taneous EEG recording (CR) [Scott & Sarnquist], 62: 812
- fentanyl-induced, in unanesthetized and ketamine- or thiopental-anesthetized rats (LI) [Lui, Lee & Chan], 70: 984
- greater than 24 h following high-dose fentanyl (CR) [Mirenda, Tabatabai & Wong], 69: 624
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- and laudanosine and receptors (LR) [Katz & Gavish], 70: 109
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and withdrawal of nitrous oxide while closing dura and cranium (CO) [Shaken, Shapiro & Drummond], 66: 720

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versus postlumbar puncture headache following epidural blood patch (CO) [Ravindran & Zandstra], 71: 478  
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- volatile anesthetics and (OA) [Sahlman, Henriksson, Martner & Ricksten], 69: 1



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- in myasthenia gravis, predicting need for postoperative mechanical ventilation in (CR) [Eisenkraft, Papatestas, Kahn, Mora, Fagerstrom & Jenkins], 65: 79

**thyroidectomy**

- esmolol in perioperative management for (CR) [Thorne & Bedford], 71: 291

**tracheal**

- airway fires during, with carbon dioxide laser (CO) [Pashayan & Gravenstein], 71: 478

**tracheostomy**

- performed under cervical epidural blockade (CR) [Ullman & Schmitt], 71: 161

**tracheotomy**

- in emergency management of infant with obstructed airway at birth (CR) [Sacks, Bohannon & Wynn], 62: 659

**TURP**

- intrathecal morphine for postoperative pain control in (CI) [Kirkson, Goldman, & Slover], 71: 192

**upper abdominal**

- dose-response curves and pharmacokinetics of alfentanil during (EV) [Waud & Waud], 65: 355
- plasma concentrations of alfentanil required to supplement nitrous oxide anesthesia for (OA) [Ausems, Hug, Stanski & Burm], 65: 362

**urologic**

- and atrioventricular sequential pacemaker inhibition by transurethral electrosurgery (CR) [Dresner & Lebowitz], 68: 599
- ethanol monitoring of irrigating fluid absorption in (OA) [Hahn], 68: 867

**transurethral resection of prostate**

- serum glycine levels, and ocular evoked potentials (CI) [Wang, Creel & Wong], 70: 36

**uvulopalatopharyngoplasty**

- for obstructive sleep apnea syndrome, acute airway obstruction after (CR) [Gabrielczyk], 69: 941

**vascular****carotid thromboendarterectomy**

- augmentation of systolic blood pressure during, does anesthetic technique make a difference? (OA) [Smith, Roizen, Cahalan, Benefiel, Beaupre, Sohn, Byrd, Schiller, Stoney, Ehrenfeld, Ellis & Aronson], 69: 846
- coronary-subclavian steal syndrome following, anesthetic implications and management in perioperative period (CR) [Martin & Rock], 68: 933
- critical regional cerebral blood flow during isoflurane anesthesia for (OA) [Messick, Casement, Sharbrough, Milde, Michenfelder & Sundt], 66: 344
- pharmacokinetics of fentanyl in patients undergoing (OA) [Hudson, Thomson, Cannon, Friesen & Meatherall], 64: 334
- pharmacokinetics of sufentanil in patients undergoing (CI) [Hudson, Bergstrom, Thomson, Sabourin, Rosenbloom & Strunin], 70: 426

**vascular grafts**

- anaphylactoid reactions to (CI) [Roizen, Rodgers, Valone, Lampe, Benefiel, Gelman, Rapp, Weiler, Ota, Shuman & Goetzl], 71: 331

**Surgical anesthesia, *See under* Anesthesia****Surgical gloves, *See under* Equipment****Swallowing reflex, *See under* Reflexes****Swan-Ganz catheters, *See under* Equipment****Swivel adaptors, *See under* Equipment****Sympathectomy, *See under* Heart; Sympathetic nervous system****Sympathetic block, *See under* Anesthetic techniques****Sympathetic nerve activity, *See under* Sympathetic nervous system****Sympathetic nervous system****activity**

- inhibition of, by halothane, naloxone counteracts (LI) [Delle, Ricksten & Thorén], 70: 309

**adenosine triphosphate**

- sevoflurane with, for resection of pheochromocytoma (CR) [Doi & Ikeda], 70: 360

**adrenal medulla**

- halothane inhibition of receptor-mediated calcium influx in primary culture of cells of (OA) [Yashima, Wada & Izumi], 64: 466
- mechanism of effect of droperidol to induce catecholamine efflux from (OA) [Sumikawa, Hirano, Amakata, Kashimoto, Wada & Izumi], 62: 17
- site of action for droperidol-evoked hypertensive response (OA) [Montiel, Artalejo, Bermejo & Sánchez-García], 65: 474

**adrenergic receptors**

- isoflurane, interaction in isolated rat parotid gland (OA) [Östman, Henriksson, Sundström & Reiz], 64: 734

**agonist****alpha<sub>2</sub>**

- anesthetic and hemodynamic effects of, in isoflurane-anesthetized dogs (OA) [Maze, Vickery, Merione & Gaba], 68: 689

**alpha 2 adrenergic agonist**

- epidural, in obstetrics (LI) [Eisenach, Castro, Dewan & Rose], 70: 51

**alpha-2 adrenergic agonist****clonidine**

- effects of, on anesthetic drug requirements and hemodynamic response during aortic surgery (CI) [Engelman, Lipszyc, Gilbert, Van der Linden, Bellens, Van Romphey & de Rood], 71: 178

**alpha<sub>2</sub> agonist****dexmedetomidine**

- in study of dexmedetomidine, in prevention of opiate rigidity (LI) [Weinger, Segal & Maze], 71: 242

**alpha-2 adrenoceptor agonist**

- hypnotic-anesthetic action of (LI) [Doze, Chen & Maze], 71: 75
- in study of hypnotic-anesthetic action of dexmedetomidine (LI) [Doze, Chen & Maze], 71: 75

**alpha adrenergic agonist****clonidine**

- reduces halothane MAC in rats (CO) [Maze, Birch & Vickery], 67: 868

**alpha adrenergic agonists****azeperole**

- dose responses to, following adrenergic blockade and volatile anesthetics (LI) [Kenny, Pelc, Brooks, Kampine, Schmeling & Warltier], 71: 224

- phenylephrine
  - dose responses to, following adrenergic blockade and volatile anesthetics (LI) [Kenny, Pelc, Brooks, Kampine, Schmeling & Wartier], 71: 224
- alpha adrenergic receptors**
  - halothane vasodilation and (OA) [Larach, Schuler, Derr, Larach, Hensley & Zelis], 66: 781
- agonist**
  - epidural clonidine produces antinociception, but not hypotension, in sheep (OA) [Eisenach, Dewan, Rose & Angelo], 66: 496
- alpha-adrenergic receptor**
  - clonidine**
    - for intractable cancer pain (CI) [Eisenach, Rauck, Buzzanell & Lysak], 71: 647
    - following surgery (CI) [Eisenach, Lysak & Viscomi], 71: 640
- alpha-adrenergic receptors**
  - are not down-regulated during cardiopulmonary bypass (CR) [Zucker & Amory], 63: 449
- alpha<sub>1</sub>- and alpha<sub>2</sub>-adrenergic receptors**
  - halothane vasodilation and (OA) [Larach, Schuler, Derr, Larach, Hensley & Zelis], 66: 781
- alpha<sub>2</sub> adrenergic agonists**
  - and eye surgery in elderly: effects on intraocular pressure, perioperative hemodynamics, and anesthetic requirement (OA) [Chignon, Noe, Calvillo & Quinton], 68: 707
- alpha receptors**
  - calcium entry blockers and (OA) [Massagee, McIntyre, Kates, Reves & Bai], 67: 485
- alpha receptor agonist**
  - clonidine**
    - does not decrease blood pressure or spinal cord blood flow (OA) [Eisenach & Grice], 68: 335
- 2-amino-6-ethyl-4,5,7,8-tetrahydro-6H-oxazolo-(5,4-d)-azepin dihydrochloride**
  - anesthetic and hemodynamic effects of, in isoflurane-anesthetized dogs (OA) [Maze, Vickery, Merione & Gaba], 68: 689
- amiodarone**
  - anesthetic management of parturient receiving (CR) [Koblin, Romanoff, Martin, Hensley, Larach, Stauffer & Luck], 66: 551
- anatomy**
  - and bronchospasm following interscalene brachial plexus block (CO) [Shah & Hirshman], 62: 847
- angiotensin II**
  - in study of actions of halothane, ibuprofen and BW755C on hypoxic pulmonary vasoconstriction (OA) [Marshall, Kim & Marshall], 66: 537
- atipamezole**
  - in study of hypnotic-anesthetic action of dexmedetomidine (LI) [Doze, Chen & Maze], 71: 75
- autonomic hyperreflexia**
  - in paraplegic parturient, epidural meperidine for control of (CR) [Baraka], 62: 688
- azepexole**
  - anesthetic and hemodynamic effects of, in isoflurane-anesthetized dogs (OA) [Maze, Vickery, Merione & Gaba], 68: 689
- bambuterol**
  - influence of, on duration of action of succinylcholine-induced paralysis in humans (CR) [Fisher, Caldwell, Sharma & Wirén], 69: 757
- beta adrenergic antagonists**
  - esmolol**
    - during resection of pheochromocytoma (CR) [Zakowski, Kaufman, Berguson, Tissot, Yarmush & Turndorf], 70: 875
    - maternally administered, produces fetal  $\beta$ -adrenergic blockade and hypoxemia in sheep (LI) [Eisenach & Castro], 71: 718
    - for perioperative management of thyrotoxic goiter [Thorne & Bedford], 71: 291
- beta-adrenergic antagonists**
  - in study of nitrous oxide and myocardial ischemia (CI) [Mitchell, Prakash, Rulf, vanDaele, Cahalan & Roelandt], 71: 526
- beta adrenergic blockade**
  - actions of verapamil or diltiazem in combination with, during halothane anesthesia in dog (OA) [Kapur, Matarazzo, Fung & Sullivan], 66: 122
- esmolol**
  - pharmacokinetics of, in anesthetized patients (OA) [deBruijn, Reves, Croughwell, Clements & Drissel], 66: 323
- beta-adrenergic blockade**
  - metoprolol**
    - plasma levels of, prior to coronary artery bypass surgery (CR) [Sill, Nugent, Moyer, Schaff & Tinker], 62: 67
    - of myocardial ischemia in untreated hypertensive patients (OA) [Stone, Foëx, Sear, Johnson, Khambatta & Triner], 68: 495
  - propranolol**
    - plasma levels of, prior to coronary artery bypass surgery (CR) [Sill, Nugent, Moyer, Schaff & Tinker], 62: 67
    - should we have at birth, or preoperatively? (EV) [Roizen], 68: 482
- beta-adrenergic blocker**
  - heart rate and blood pressure effects of, after ketamine induction and intubation (OA) [Gold, Brown, Coverman & Herrington], 64: 718
- beta-adrenergic blockers**
  - and apnea (CO) [Langemeijer], 62: 843
- beta adrenergic blocking drugs**
  - calcium entry blockers and (OA) [Massagee, McIntyre, Kates, Reves & Bai], 67: 485
  - perioperative myocardial ischemia and (EV) [Lowenstein & McPeck], 68: 668
  - perioperative myocardial ischemia and (OA) [Slogoff & Keats], 68: 676
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  - in assessment of effects of anesthetics on properties affecting supraventricular re-entry (LI) [Atlee & Yeager], 71: 958
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    - transplacental passage and hemodynamic effects of, in gravid ewe (OA) [Östman, Chestnut, Robillard, Weiner & Hdez], 69: 738
- beta-adrenergic receptor blockade**
  - and dobutamine response (OA) [Tarnow & Komar], 68: 912
- beta adrenergic receptors**
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    - and hemodynamic effects of UL-FS 49 in isoflurane-anesthetized dogs (OA) [Riley, Gross, Kampine & Wartier], 67: 707
- beta-adrenergic receptors**
  - blockade, and tolerance to potassium (CO) [Torretti, Gerson, Oats & Lange], 64: 846
- beta-receptor**
  - of lymphocyte membranes, effects of halothane on (LR) [Marty, Nivoche, Nimier, Rocchiccioli, Luscombe, Henzel, Loiseau & Desmonts], 67: 974



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**carcinoid syndrome**

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**catecholamines**

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effects of local anesthesia on nerve blood flow: studies using lidocaine (LI) [Myers & Heckman], 71: 757

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- during isoflurane anesthesia in humans (OA) [Diltoer & Camu], **68**: 880
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- maternal and fetal effects of, in gravid ewes (OA) [Hood, Dewan & James], **64**: 610
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- following etomidate, midazolam or methohexital for minor surgery (OA) [Crozier, Beck, Schlaeger, Wuttke & Kettler], **66**: 628
- during halothane anesthesia, aminophylline and (LI) [Tobias, Kubos & Hirshman], **71**: 723
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- test dose of, epidural injection of, monitoring maternal heart rate during (CO) [Chestnut & Wiener], **64**: 839
- uptake**
- neuronal and extraneuronal, differential effects of ketamine isomers on (LR) [Lundy, Lockwood, Thompson & Frew], **64**: 359
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- reduced narcotic requirement by, and hemodynamics in coronary bypass surgery (OA) [Flacke, Bloor, Flacke, Wong, Dazza, Stead & Laks], **67**: 11
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